



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: CANTOR *et al.*

Serial No.: 09/030,571

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For: *POSITIONAL SEQUENCING BY
HYBRIDIZATION*

Art Unit: 1634

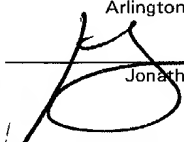
Examiner: Forman, B. J.

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I hereby certify that this paper and the attached papers are being deposited with the United States Postal "Express Mail Post Office to Addressee" Service under 37 CFR §1.10 on the date indicated above and addressed to:

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Jonathan Ong

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT IN
ACCORDANCE WITH 37 C.F.R. §§ 1.97-1.98**

Commissioner for Patents
U.S. Patent and Trademark Office
P.O. Box 2327
Arlington, VA 22202

Dear Sir:

This Information Disclosure Statement is filed concurrent with a Request for Continued Examination. Thus, a fee for filing this statement should not be due. If, however, it is determined that a fee is due, any fees that may be due in connection with filing this paper may be charged to Deposit Account No. 50-1213.

In accordance with the duty of disclosure imposed by 37 C.F.R. §1.56 to inform the Patent Office of all references known by Applicant or Applicant's representative that may be material to the examination of the subject application, Applicant's representative hereby provides this Supplemental Information Disclosure Statement that is prepared in accordance with 37 C.F.R. §§1.97-1.98. Forms PTO-1449 (2 pages) and copies of the cited documents are provided herewith.

The cited documents, listed on Forms PTO-1449 and supplied herewith, are in the English language. Hence, in accordance with the requirements of 37 C.F.R. § 1.98, as amended effective March 16, 1992, no further explanation of the listed items is necessary.

U.S.S.N. 09/030,571

Cantor, *et al.*

Supplemental Information Disclosure Statement

Although these documents are made known to the Patent and Trademark Office in compliance with Applicant's duty of disclosure, such disclosure is not to be construed as an admission by Applicant or Applicant's representative that any of the references is effective as prior art against the subject application. In accordance with 37 C.F.R. §1.97(h), the filing of this Supplemental Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(b) exists.

Pursuant to 37 C.F.R. §1.56, if inventors of subject matter not commonly owned at the time of the later invention file a joint application (i.e. the above-mentioned continuation-in-part application), applicant has an obligation to point this out.

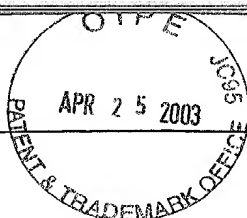
Applicant respectfully requests that the Examiner review the foregoing references and make them of record in the file history of the above-captioned application.

Respectfully submitted,
HELLER EHRMAN WHITE & MCAULIFFE LLP

By: _____

Stephanie L. Seidman
Registration No. 33, 779

Attorney Docket No. 25491-2401G
Address all correspondence to:
Stephanie L. Seidman, Esq.
HELLER EHRMAN WHITE & MCAULIFFE LLP
4350 La Jolla Village Drive
San Diego, CA 92122-1246
Telephone: 858 450-8400
Facsimile: 858 587-5360
e-mail: sseidman@HEWM.com



FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 25491-2401G	SERIAL NO. 09/030,571
	APPLICANT Cantor et al.	
	FILING DATE 02/24/98	GROUP 1634

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
	A	4	7	7	5	6	1	9	10/16/84	Urdea	435	6	10/04/88
	B	4	9	3	5	3	5	7	02/05/86	Szybalski	435	91	06/19/90
	C	5	4	3	6	1	4	3	07/25/95	Hyman	435	91.2	12/23/92
	D	5	5	8	0	7	3	3	12/03/96	Levis <i>et al.</i>	435	6	09/06/94
	E	5	6	0	5	7	9	8	02/25/97	Köster	435	6	03/17/95
	F	5	6	2	2	8	2	4	04/22/97	Köster <i>et al.</i>	435	6	02/10/95
	G	5	6	9	1	1	4	1	11/25/97	Köster	435	6	06/06/95
	H	6	0	2	2	6	8	8	02/08/00	Jurinke <i>et al.</i>	435	6	05/13/96

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes No	
	I	9	3	0	8	3	0	5	04/29/93	PCT				
	J	9	4	1	6	0	9	0	07/21/94	PCT				
	K	9	4	1	6	1	0	1	07/21/94	PCT				
	L	9	6	1	4	4	0	6	05/17/96	PCT				
	M	9	7	3	3	0	0	0	09/12/97	PCT				
	N	9	9	1	4	3	6	2	03/25/99	PCT				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	O	Benner <i>et al.</i> , "Identification of Denatured Double-stranded DNA by Matrix-assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry", <i>Rapid Commu. Mass Spec.</i> , <u>9</u> :537-540 (1995)
	P	Benner <i>et al.</i> , "DNA Base-Pair Substitutions Detected in Double-Stranded DNA With Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry", <i>Eur. Mass Spectrum.</i> , <u>1</u> : 479-485 (1995)

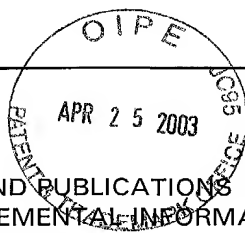
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LIST OF PATENTS AND PUBLICATIONS FOR
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ATTY. DOCKET NO.
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APPLICANT
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Q	Ch'ang <i>et al.</i> , "Detection of $\Delta F508$ Mutation of the cystic Fibrosis Gene by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry", <i>Rapid Comm. in Mass Spectrom.</i> , <u>9</u> :772-774, (1995)
R	Cosstick <i>et al.</i> , "Synthesis and Properties of dithymidine phosphate analogues containing 3'-thiothymidine", <i>Nucl. Acid Res.</i> , <u>18</u> (4):829-835 (1990)
S	Gross <i>et al.</i> , "Matrix-assisted laser desorption/ionisation-mass spectrometry applied to biological macromolecules," <i>Trends in Analytical Chemistry</i> <u>17</u> (8-9): 470-484 (1998)
T	Jacutin <i>et al.</i> , "Test of the potential of a dATP surrogate for sequencing via MALDI-MS," <i>Nucleic Acids Research</i> <u>25</u> (24): 5072-5076 (1997)
U	Köster <i>et al.</i> , "A strategy for rapid and efficient DNA sequencing by mass spectrometry," <i>Nature Biotechnology</i> <u>14</u> : 1123-1128 (1996)
V	Khrapko <i>et al.</i> , "An oligonucleotide hybridization approach to DNA sequencing," <i>FEBS Letters</i> <u>256</u> (1-2): 118-122 (1989)
W	Liu <i>et al.</i> , "Use of a Nitrocellulose Film Substrate in Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry for DNA Mapping and Screening", <i>Anal. Chem.</i> , <u>67</u> :3482-3490, (1995)
X	Szybalski, "Universal restriction endonucleases: designing novel cleavage specificities by combining adapter oligodeoxynucleotide and enzyme moieties", <i>Gene</i> , <u>40</u> :169-173 (1985)
Y	Tang <i>et al.</i> , "Matrix-assisted Laser Desorption/Ionization of Restriction Enzyme-digested DNA", <i>Rapid Comm. Mass Spec.</i> , <u>8</u> (2):183-186 (1994)
Z	Wu <i>et al.</i> , "Time-of-Flight Mass Spectrometry of Underivatized Single-Stranded DNA Oligomers by Matrix-Assisted Laser Desorption", <i>Anal. Chem.</i> , <u>66</u> :1637-1645 (1994)

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